

2017 CMPIC CM TRENDS

To Meet or Not To Meet
Physical vs. Virtual
Configuration Control Board



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To Meet or Not To Meet

Physical vs. Virtual

Configuration Control Board

This presentation will:

- **Define the Configuration Control Board (CCB), discuss its functions and members**
- **Review processes of managing change control via the CCB meeting and advanced practices utilizing enhanced product tools and technologies**
- **Provide best practices, pros and cons from the community of CM professionals at NASA Goddard Space Flight Center**

Identify strategies to determine if process for managing change control and approvals can be streamlined within your local work environments.

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TO MEET OR NOT TO MEET

Does your organization process change control through a physical CCB meeting?

Does your organization process change control through a virtual CCB meeting?

Which environment is Best?

Organizations determine best methods of controlling CI's based on the resources available to administer the change process.

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Physical vs. Virtual Configuration Control Board

DEFINITIONS

Aliases, Related Terms: Change control board, change review board, program review board

SAE EIA-649-B

- ▶ A group comprised of technical and administrative representatives who review and recommend approval or disapproval to the approval authority, of changes and variances to a configuration managed product and its supporting documentation

Board Chair

Configuration Manager

Contracts

Finance

Quality

Assurance

Safety

Stakeholders

Technical

SAE EIA-649-2

- ▶ A chartered board composed of technical and administrative representatives who recommend approval or disapproval of proposed engineering changes and variances to a CI's current approved and baselined configuration information

Representatives

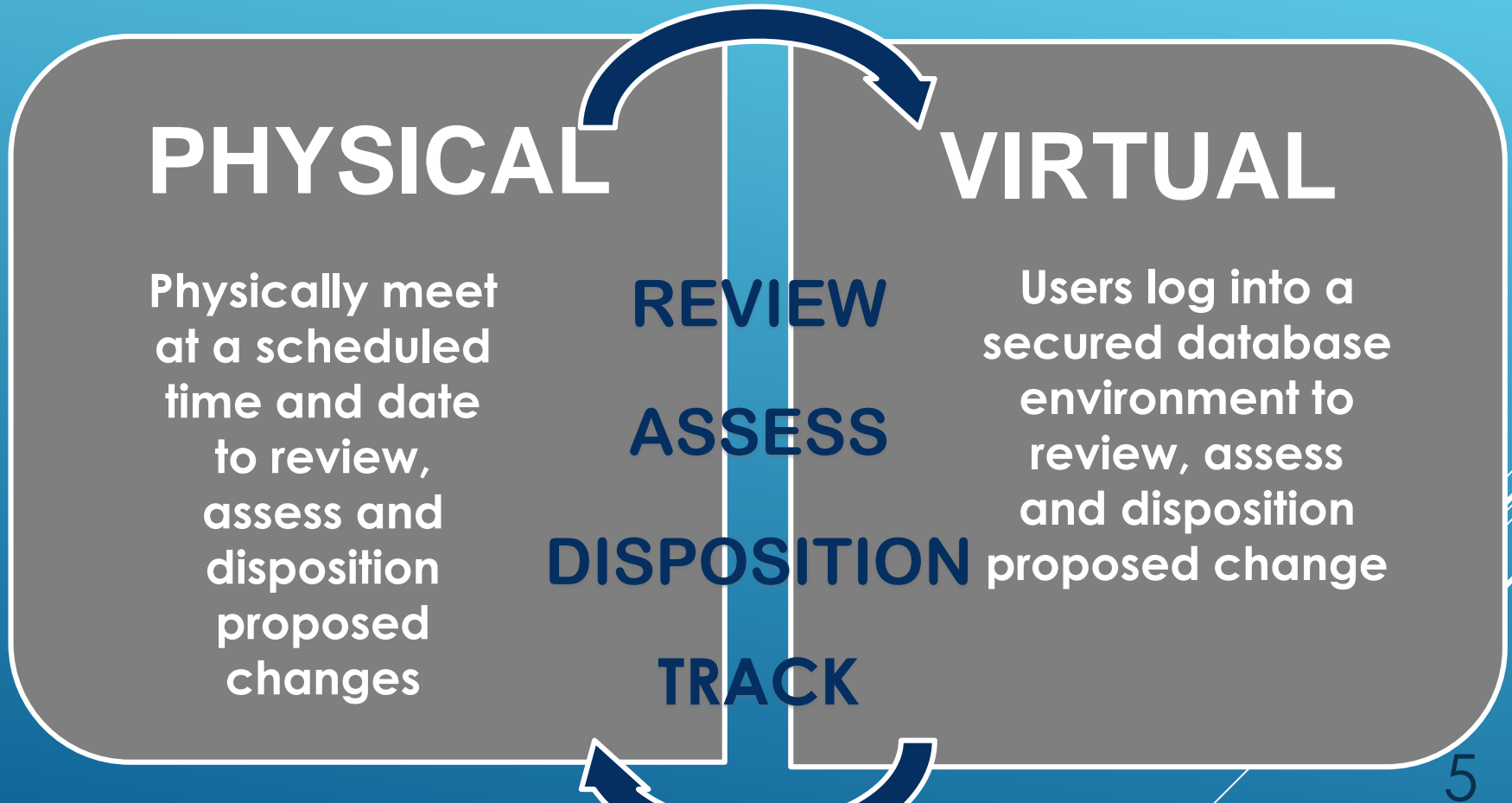
Affected organizations should be assigned for the most appropriate and expedited review of proposed changes.

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THE EVOLUTION OF THE CCB



The CCB environment has evolved over time, helping organizations to automate process flows and increase

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THE PROS AND CONS

PHYSICAL

•PROS

- Scheduled date of review
- Quick resolution/decisions
- Verbal dialogue dynamics
- Non verbal / body language

•CONS

- Schedule conflicts
- Administrative burden
- Assessors unprepared
- Handwritten minutes omit key decision points

VIRTUAL

•PROS

- Expedited distribution
- Centralized location
- Allows externals access
- Flexibility completing action

•CONS

- System Operability
- Interface & process user friendly
- IT Burden – Cost, Security
- Delinquent response to action

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CONCLUSION

- Advantages and disadvantages
- Management support
- Training is essential
- No one size fits all